DYNOSTAND™

THE ORIGINAL

Introduction

Thank you for choosing Dynostand™—you've made a fantastic choice! As a lifelong modeler with a deep passion for the hobby of model airplanes, I've spent years looking for the perfect stand to support my planes. Whether working at home on a build or prepping for flight in the field, I always felt the existing products were not versatile enough. While there are other stands available, none truly captured the versatility and functionality I envisioned. Driven by the desire to create something that met my high standards, I embarked on a journey a few years ago to design a stand that would fulfill all my needs. After building several prototypes and refining my design with valuable feedback from fellow modelers, I finally crafted the Dynostand™. It's been incredibly rewarding to see the final product come to life and be shared with others who share my passion for the hobby. Dynostand™ has been thoughtfully engineered to provide the flexibility you need, allowing you to position your model in virtually any way you choose. Whether you're assembling, adjusting, repairing, or prepping your plane for flight, this stand ensures you can work comfortably and securely. I hope you find as much enjoyment in using it as I did in creating it. Happy modeling

Construction

Dynostand™ is expertly crafted using a combination of premium materials to ensure both durability and functionality. The frame is constructed from welded Hollow Structural Steel (HSS), which is then treated with both a zinc and powder-coated finish for exceptional corrosion resistance. Additionally, we've incorporated high-quality aluminum and the timeless material that has made aviation—and our beloved hobby—possible: wood. Specifically, we use Baltic Birch plywood, selected for its strength, lightweight properties, and classic appeal. This thoughtful blend of materials provides a robust, reliable stand that will stand the test of time, supporting your models with confidence.

Specification

Maximum Fuselage width capacity	15.5”
Maximum Load capacity	50 Lbs
Distance between supports	17.5”-30”
Working height	42” down to 28”
Pitch	180°+
Roll	360°
Yaw rotation	Maximum 45° Left or Right
Footprint	4 Sq. foot
Weight	21.5 lbs.

Safety Precautions

For your safety and the longevity of your Dynostand™, please adhere to the following guidelines:

- **Do not start or operate engines, electric motors, or any propulsion systems on the Dynostand™**. This stand is designed solely for supporting your model during assembly, adjustments, and preparation—never for running propulsion systems.
- **Always wear safety glasses** while assembling or working with the Dynostand™ to protect yourself from any potential hazards.
- **Assemble and use the Dynostand™ in a safe, child-free area** to prevent accidents and ensure that it remains in a secure and controlled environment.
- **Do not exceed the maximum load capacity** specified for the Dynostand™. Overloading can compromise its structural integrity and safety.
- **Use the Dynostand™ only for its intended purpose**—supporting and holding model airplanes during assembly, maintenance, and preparation. Using it for any other purpose may cause damage or unsafe conditions.
- **Dynostand™ is recommended for hobbyists aged 14 and older**. This product is intended for individuals who are experienced and capable of handling model airplane equipment safely.

By following these instructions, you'll ensure a safe and enjoyable experience with your Dynostand™.

Warranty

Dynostand™ stands behind the quality of our product. We guarantee that all components and parts are free from defects in materials and workmanship for one year from date of purchase. However, this warranty does not cover damage resulting from accidents, misuse, abuse, commercial use, improper assembly, incorrect operation, or modifications made to any part of the Dynostand™. To ensure optimal performance and safety, please follow all assembly and usage instructions as outlined.

Disclaimer

Please read this disclaimer thoroughly and ensure you follow all assembly instructions provided in this manual. While Dynostand™ strives to provide high-quality products, we have no control over the final assembly process. As such, we are not responsible for any loss of use, incidental, or consequential damages. Additionally, Dynostand™ cannot be held liable for personal injury or property damage resulting from the use or misuse of the Dynostand™. By assembling and using this product, the user assumes all associated risks and accepts full responsibility for any resulting liabilities.

Return Policy

You may return the Dynostand™ within 30 days of date of purchase, subject to a **restocking fee of $85.00**. To initiate a return, customers must first contact Dynostand™ to obtain a Return Merchandise Authorization (RMA) number. The item must be returned unassembled, in its original packaging, and in the same order as it was packed to prevent any damage during transit.

Please note that any parts that are damaged, scratched, or missing will incur a replacement or repair fee, which will be deducted from the refund amount at the sole discretion of Dynostand™.

All return shipping charges are the responsibility of the customer.

6-32 x 1/4" Socket Pan Head Screw (4)

8-32 x 3/8" Socket Pan Head Screw (2)

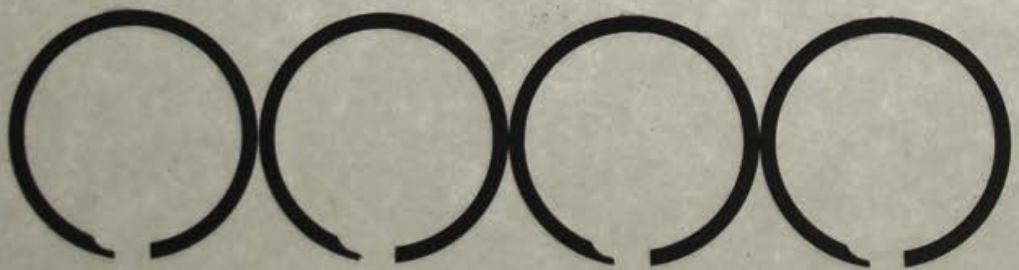
#8 x 1/2" Flat Head Screw (6)

#8 x 1/2" Sheet Metal Screw (8)

#8 External Tooth Lock Washer (2)

5/16" Flat washer (8)

1/4" Fender Washer (5)



1-1/4" Retaining Ring (4)

5/16"-18 x 1-1/2" T Handle Bolt (4)

5/16-18 Cap Nut (2)

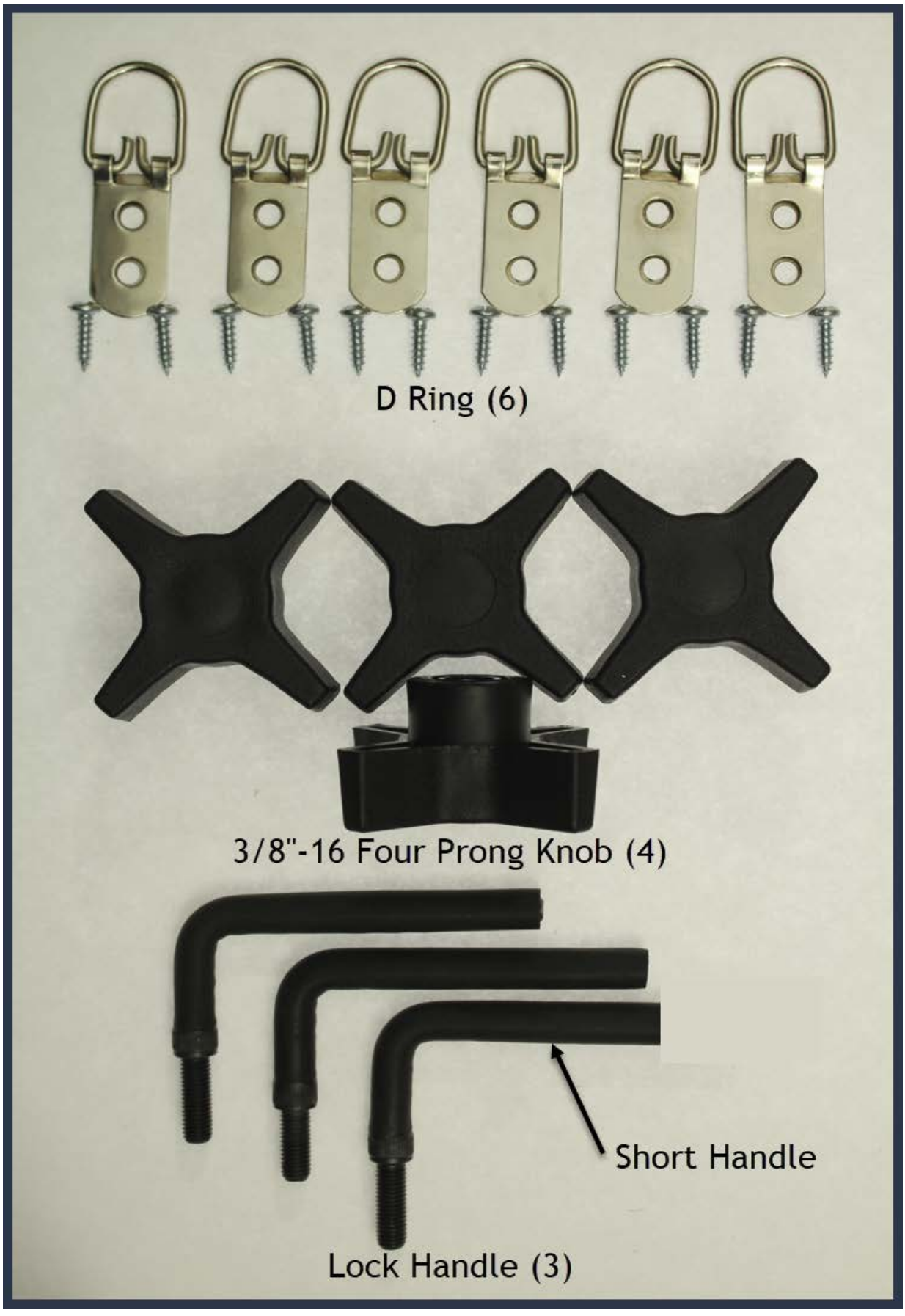
5/16"-18 x 2-1/4" Socket Head Bolt (2)

3/8"-16 x 2.0" Carriage Bolt (4)

1/4"-20 x 1.0" Carriage Bolt (1)

1/4"-20 x 2.0" Carriage Bolt (4)

1/4"-20 Three Prong Knob (5)

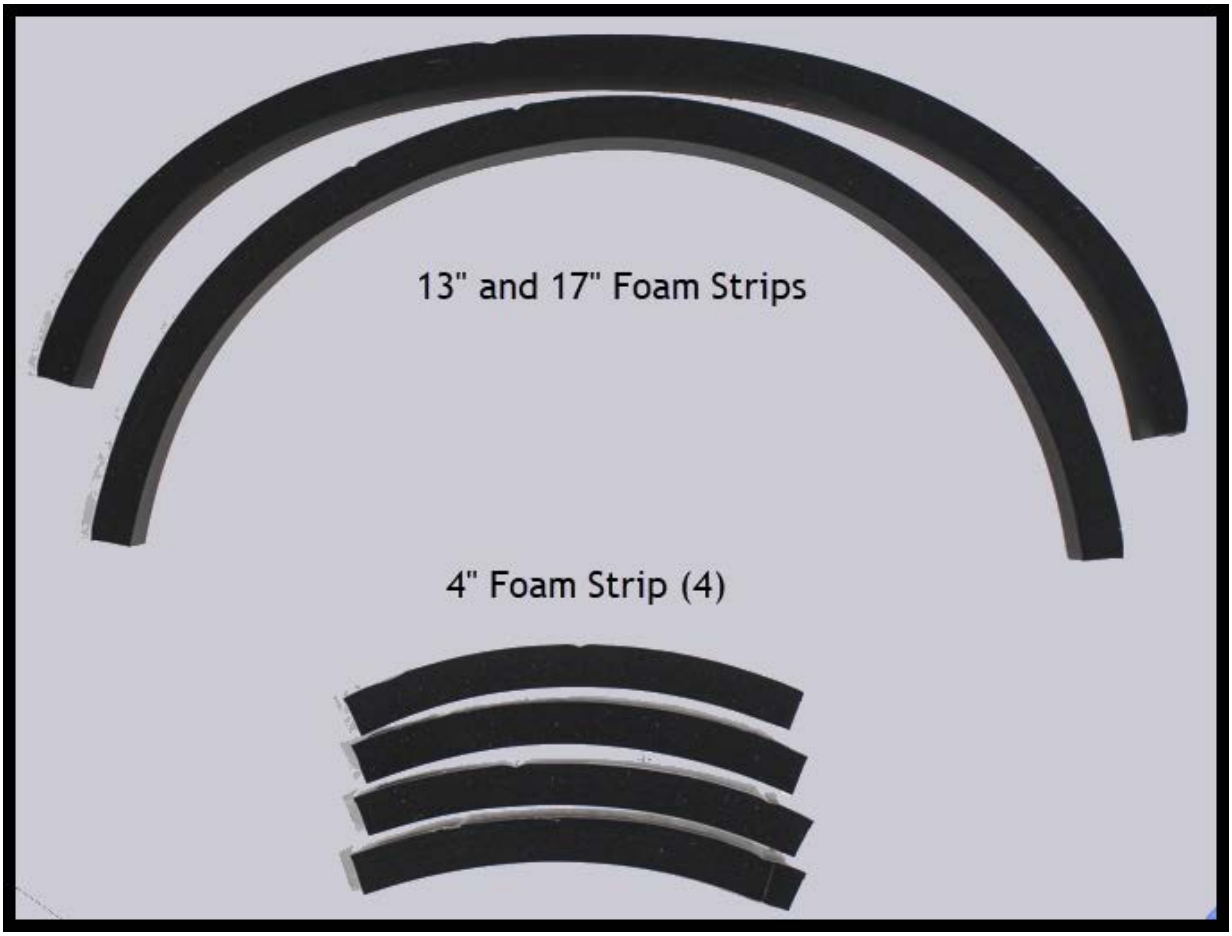

D Ring (6)
3/8"-16 Four Prong Knob (4)
Short Handle
Lock Handle (3)

1-1/4" Round Cap (1)

1-1/2" x 1-1/2" Platstic Cap (2)

2" x 3" Plastic Cap (2)

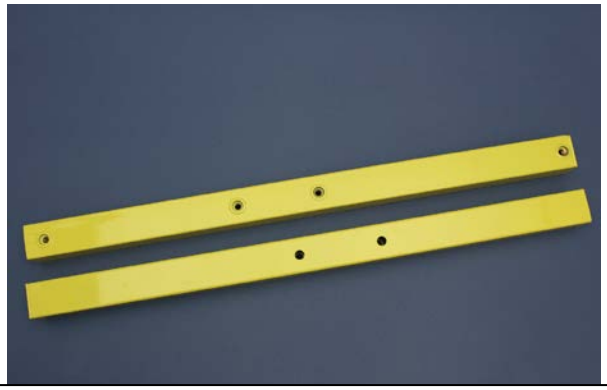
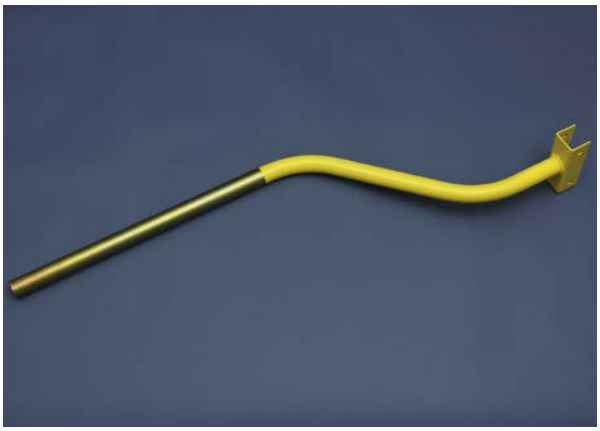
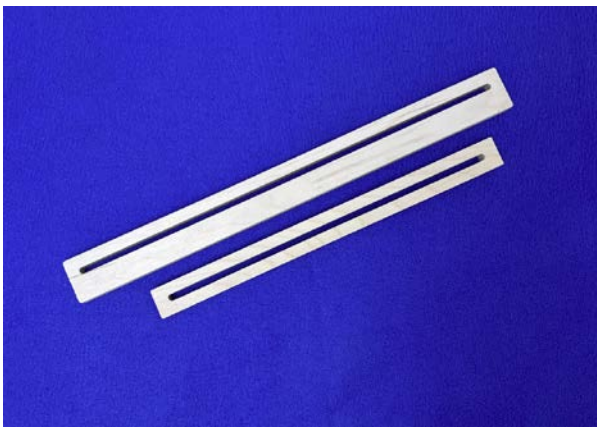
Hook & Loop (2)

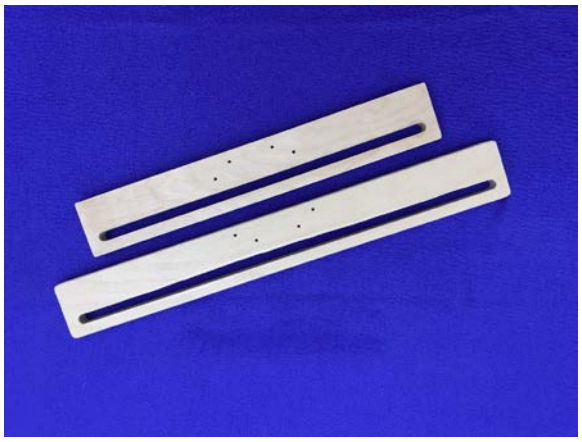
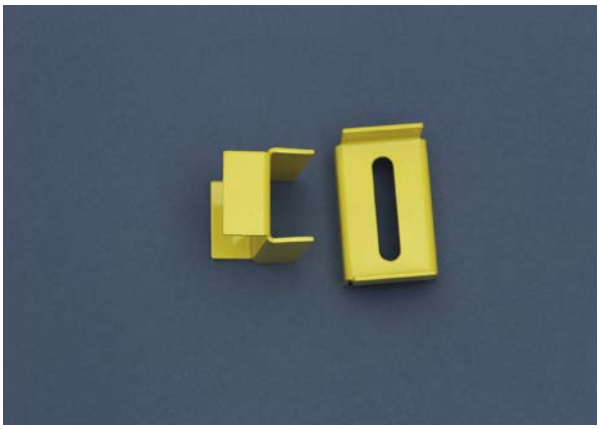

13" and 17" Foam Strips
4" Foam Strip (4)

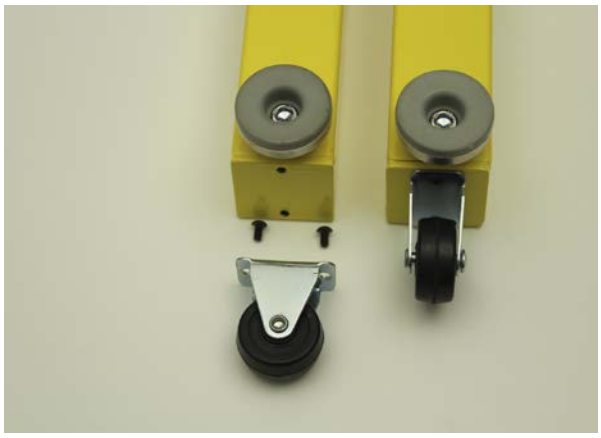
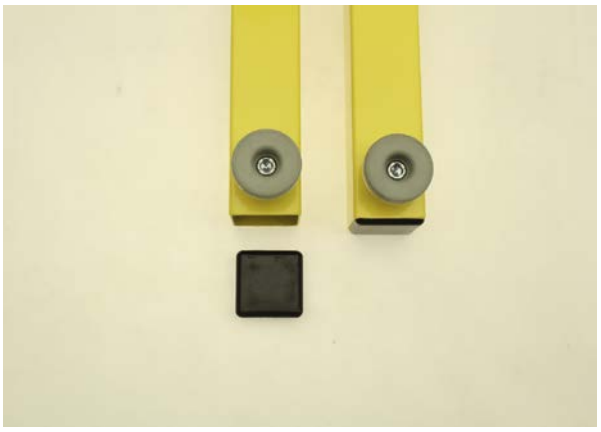
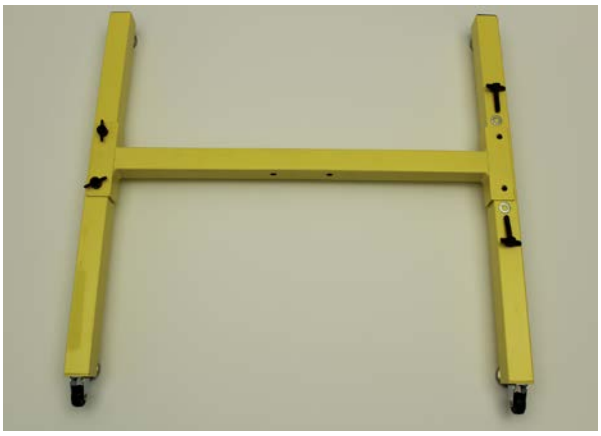
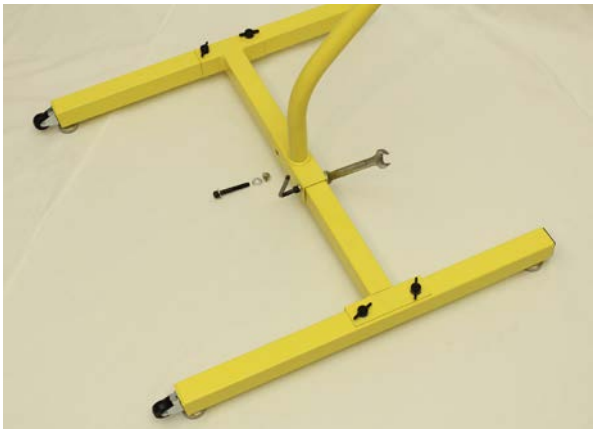
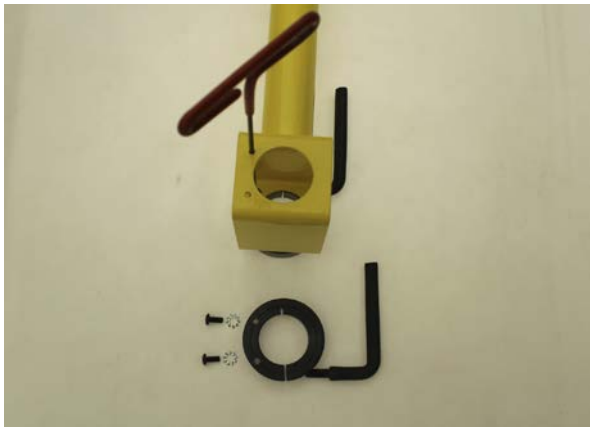
5/16"-18 x 1-1/2" Leveling Glide (4)

One Piece Lock (1)

Spacer (4)

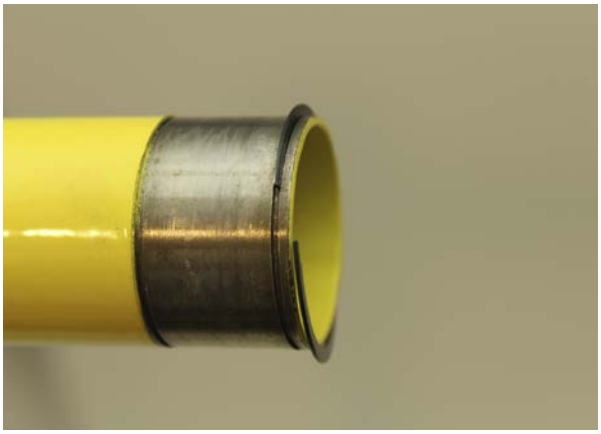
	
Base Center	Base Leg (2)
	
Column	Extension
	
Floating Floor (2)	Saddle

	
Sliding Block (2)	Stiffener
	
Wrist Bracket assembly	Side Support (4)
	
Anti-Rotation Bracket (2)	Arm

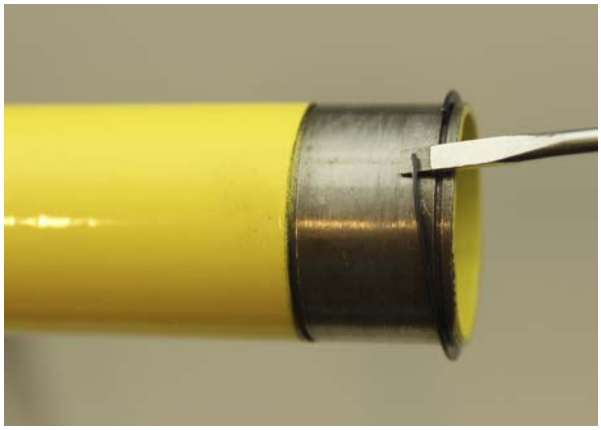
	
1- Screw in leveling glides (4) in the outer holes of the base legs.	2- Install the casters using (4) 6-32 x ¼" socket pan head screws with 5/64 or 2 mm Allen wrench. This is the front of the stand, use thread locker (i.e. Loctite).
	
3- Insert the plastic end caps in the open ends of the base legs.	4- Install the Base center with (4) 5/16-18 x 1½" **T** handle bolts and 5/16" flat washers, finger tight only.
	
5- Install the column firmly using (2) 5/16-18 x 2¼" socket head bolts, (4) 5/16 flat washers and (2) cap nuts, use ¼" Allen wrench and 9/16 open end wrench, notice the orientation, set the assembly aside.	6- Install the one piece lock on the arm by two 8-32 x ⅜" screws, star washers and a long handle. **Insure the arm slides freely on the column before tightening the screws**. Use thread locker.

7- Slide the arm on the column, lock end on the bottom, and lock it in place using the long handle.

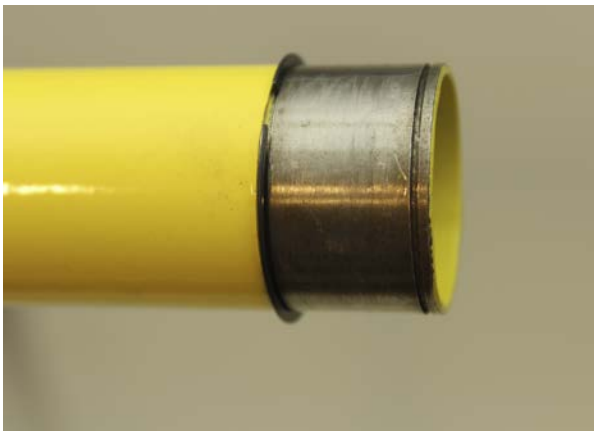
8- Insert the 2” x 3” plastic caps in the opening sides of the arm’s box and the round plastic cap on top of the column



9- Slip the retaining ring on the first groove of the Arm.



9.1- Using a screw driver move the retaining ring on the arm towards the second groove.



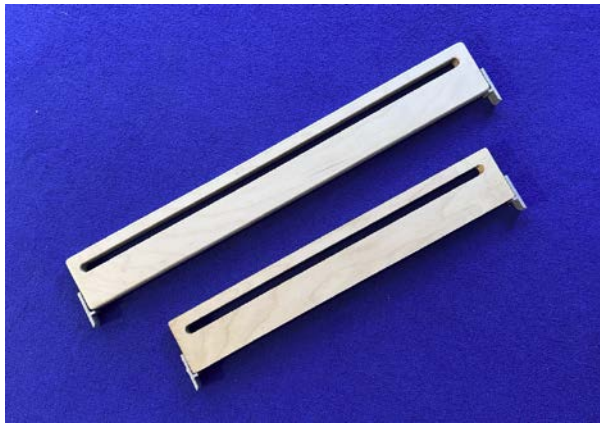
9.2- Insure the retaining ring is properly seated in the groove as shown.

10- Use a drop of all-purpose lubricant on the bearing part of the arm and spread it around.

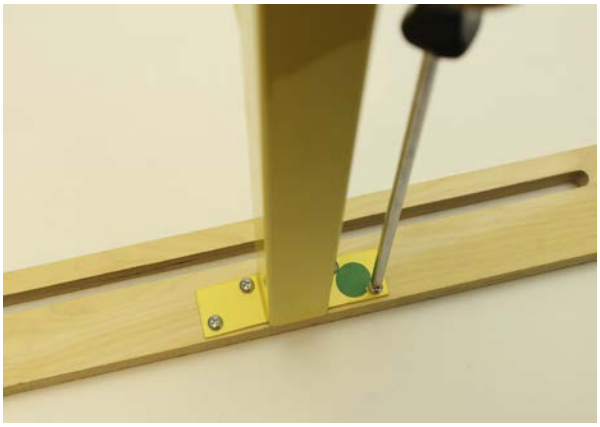
11- Install the wrist bracket assembly on to the arm with long lock handle and lock it in place.

12- Install the arm's outer retaining ring.

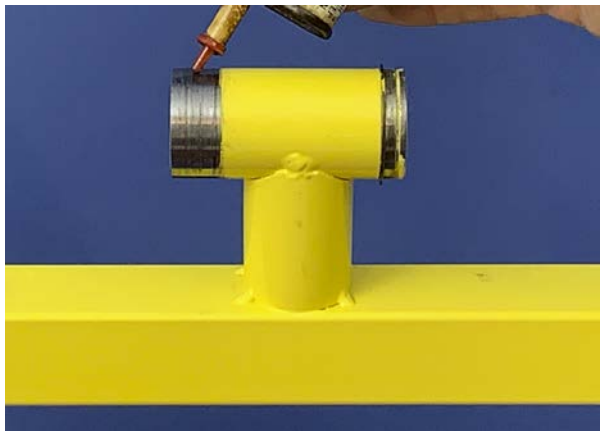
13- Install the inner retaining ring on the saddle’s wrist pin.



14- Install spacers on the sliding blocks as shown.

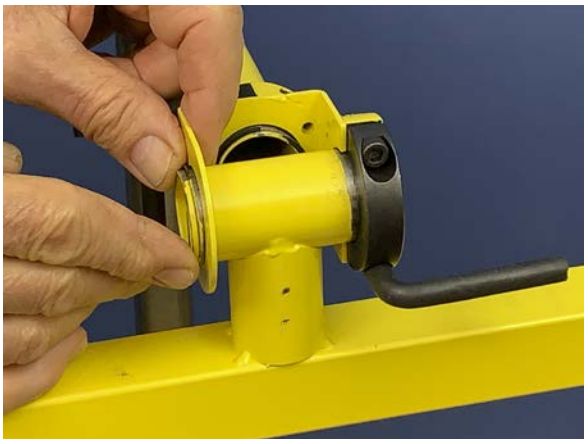


15- Install the numbered sliding block on the saddle's flange using (4) #8 x ½" sheet metal screws.

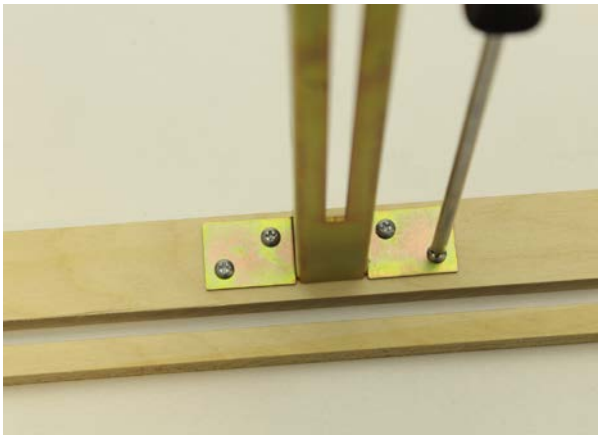


16- Use a drop of all-purpose lubricant on the bearing part of the saddle's wrist pin and spread it around

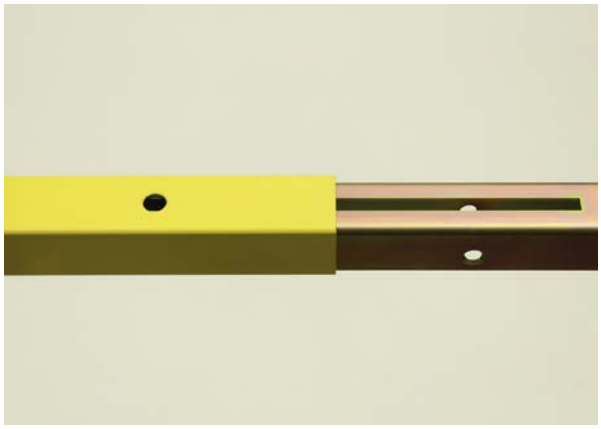
17- Install the saddle on to the wrist bracket assembly using short lock handle as shown.



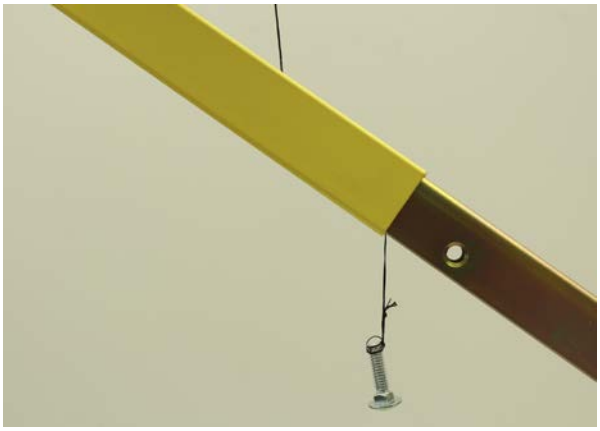
18- Install the wrist pin's outer retaining ring.



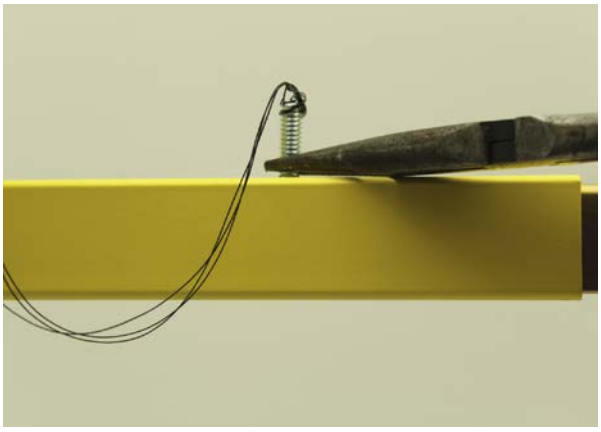
19- Install the other sliding block on to the extension using (4) #8 x ½" sheet metal screws.



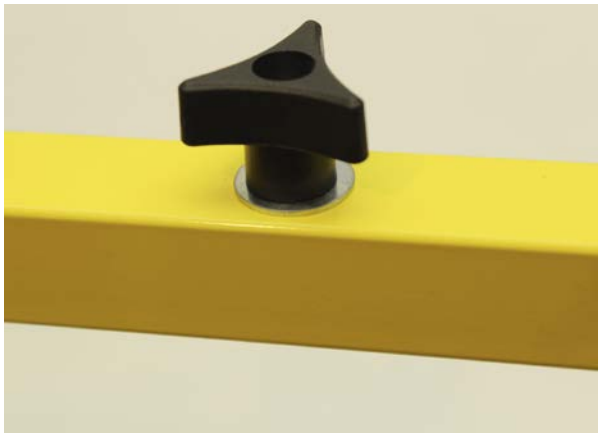
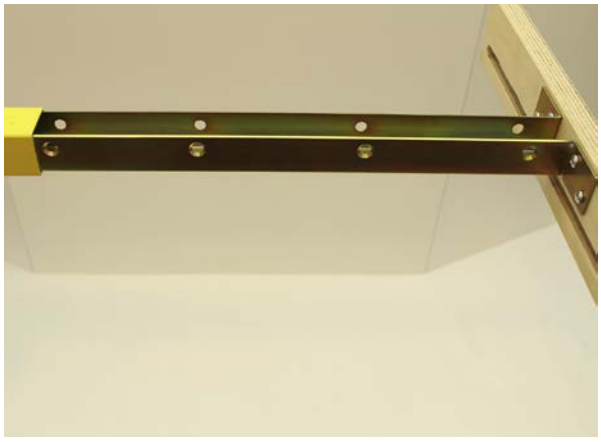
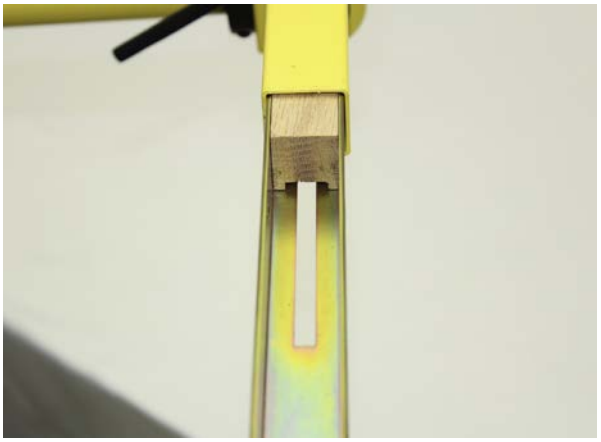
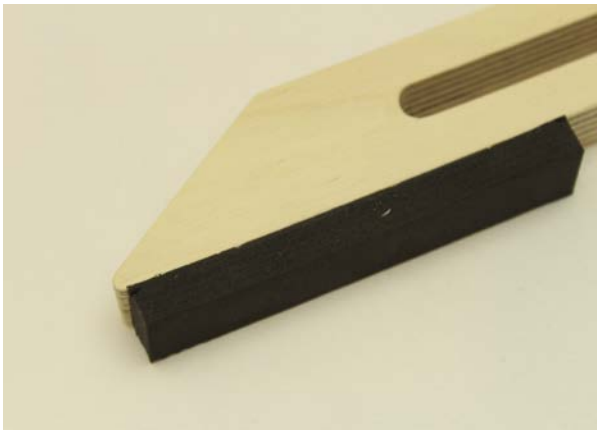
20- Insert the extension assembly into the saddle making sure the slot on the extension is on the side of the hole on the saddle's body far enough so the slot is visible from the hole.

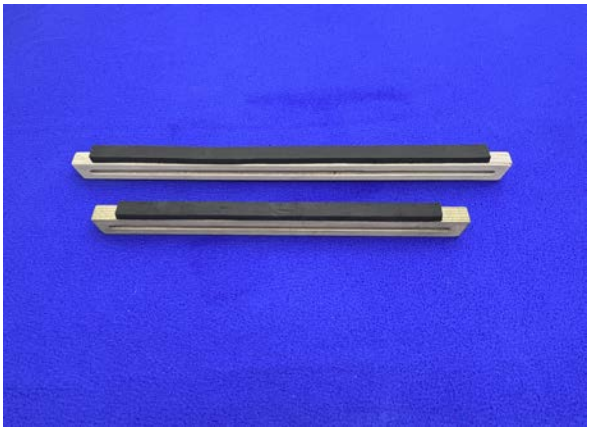


21.1-Use a piece of string to fish the 1" carriage bolt through the saddle hole.

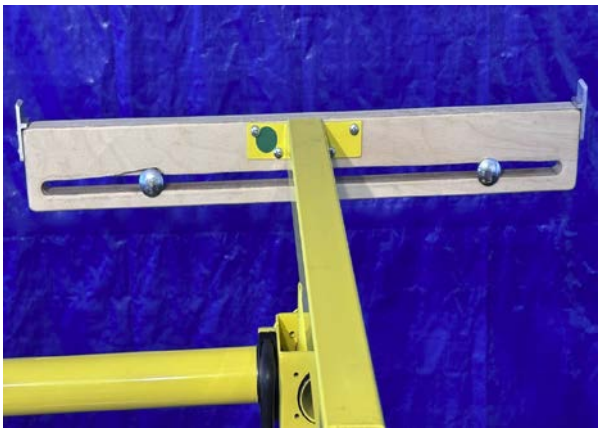


21.2- With a needle nose pliers hold on to the bolt to release the string.

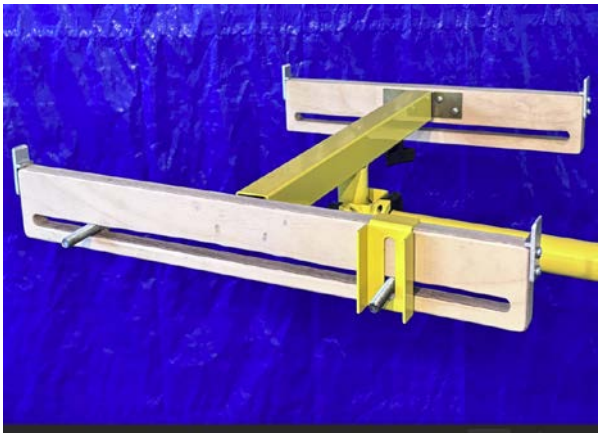
	
22- Using a ¼” fender washer and a ¼-20 three prong knob secure the bolt in place making sure the square part of the bolt is inside the slot on the extension.	23- Loosen the three prong knob slightly and slide the extension all the way out until it is stopped by the bolt.
	
24- Insert the stiffener block into the extension with the groove side towards the slot.	25- Align the holes with the openings and secure it with (8) #8 x ½” flat head screws making sure the head of the screws are flush or below the surface.
	
26- Adhere the 4” foam strips just below the tip radius of the side supports, (applying couple of coats of wood sealant prior is recommended).	27- Install the D rings on the side supports per pre-drilled holes using #6 x 1/2" sheet metal screws.



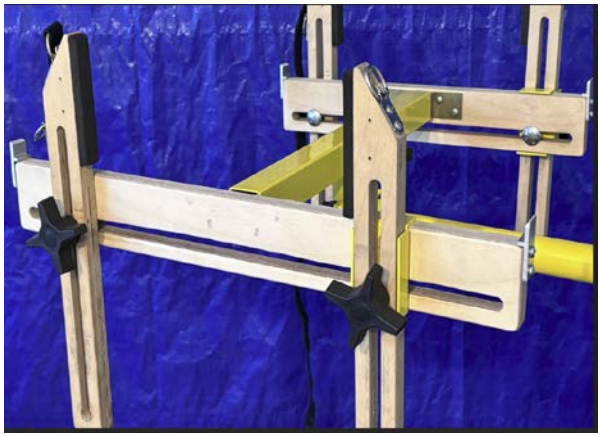
28- Adhere the 13” and 17” foam strips centered on their respective floating floors, (applying couple of coats of wood sealant prior is recommended).



29- From the back, insert the 3/8-16 x 2" carriage bolts into the sliding blocks making sure the square part of the bolts are seated in the slot of the sliding blocks.

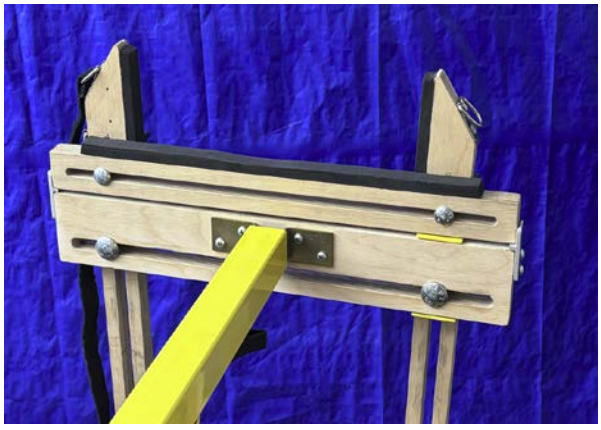


30- Install the Anti Rotation (AR) bracket as shown. Notice AR’s position.



30.1– Install the side supports on the bolts and secure them with 3/8-16 four prong knobs (2 D ring side supports in front).

31- Position the floating floors on the sliding blocks behind the side supports foam side facing up.

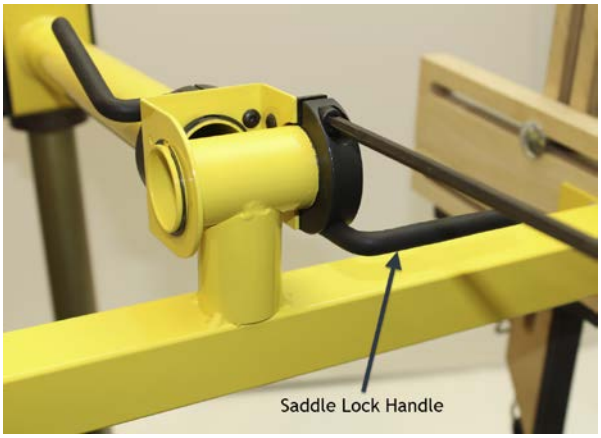


32- Insert ¼-20 x 2” carriage bolts from the floating floor side through side supports.

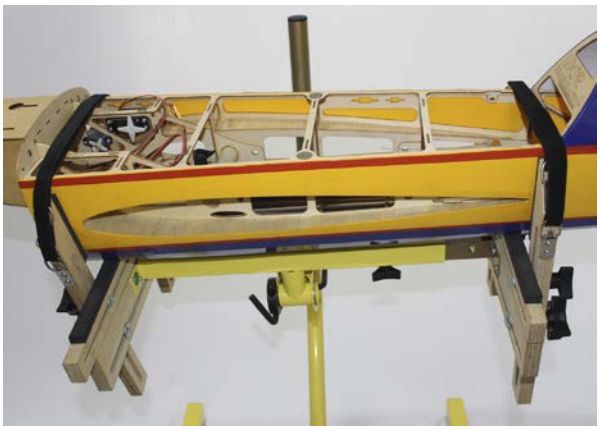
32.1- Secure in place by ¼” fender washers and ¼-20 three prong knobs.

33- Thread the end of 5/8” hook and loop strap about 4” through the top D ring on the side support with 2 D rings and fold it over itself.

34- Adjust the arm lock handle by adjusting the other screw of the lock with 3/16 Allen wrench so when it is LOCKED, it stays parallel to the arm pointing back.



35- Adjust the saddle lock handle in the same manner as above so when it is LOOSE it stays parallel with the saddle pointing to right.



Strapping without landing gear.

Strapping with landing gear.

	
Working on the wing in vertical position.	Working on the wing in horizontal position.
	
Shown is one of the many ways the fuselage can be positioned.	Shown is one of the many ways the fuselage can be positioned.
	
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